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5 b) a prosthesis comprising a tubular graft having a
6 longitudinal bore and disposed in the longitudinal bore of
7 said tubular introducer sheath, said graft being expandable
8 radially to substantially conform to an interior wall of a
9 lumen;

E1
(cont.)
10 a self expanding spring assembly having a
11 compressed state and attached to said tubular graft for
12 expanding said graft so that it substantially conforms to
13 an interior wall of a lumen after said introducer sheath
14 has been removed from said self expanding spring assembly,
15 said introducer sheath containing said self expanding
16 spring assembly in said compressed state when said spring
17 assembly is positioned in said longitudinal bore of said
18 introducer sheath; and

19 anchoring means for attaching said graft to an
20 interior wall of a lumen;

21 c) tubular carrier means having a longitudinal bore
22 and disposed in the longitudinal bore of said tubular
23 graft, said carrier means also having a plurality of
24 apertures;

25 d) central control means for maintaining an axial
26 position of said prosthesis during removal of said
27 introducer sheath, said central control means being
28 disposed in the longitudinal bore of said tubular carrier
29 means; and

30 e) mooring loops engaging said prosthesis and passing
31 through said apertures in said tubular carrier means to
32 engage said central control means.

[Amend claim 20 as follows:

E2
1 20. (Twice amended) A method for engrafting a prosthesis
2 to a wall of a lumen comprising the steps of:

3 a) providing an access to the lumen;

4 b) providing a device for engrafting said prosthesis
5 comprising:

6 a tubular introducer sheath having a longitudinal
7 bore;

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8 a tubular graft having a longitudinal bore and
9 disposed in the longitudinal bore of said tubular
10 introducer sheath, said graft being expandable radially to
11 substantially conform to an interior wall of a lumen;

E2
(Cont.) 12 a self expanding spring assembly having a
13 compressed state and attached to said tubular graft for
14 expanding said graft so that it substantially conforms to
15 an interior wall of a lumen when said introducer sheath has
16 been removed from said self expanding spring assembly, said
17 introducer sheath containing said self expanding spring
18 assembly in said compressed state when said spring assembly
19 is positioned in said longitudinal bore of said introducer
20 sheath;

21 anchoring means for attaching said graft to an
22 interior wall of a lumen;

23 tubular carrier means having a longitudinal bore
24 and disposed in the longitudinal bore of said tubular
25 graft, said tubular carrier means also having a plurality
26 of apertures;

27 central control means for maintaining an axial
28 position of said prosthesis during removal of said
29 introducer sheath, said central control means being
30 disposed in the longitudinal bore of said tubular carrier
31 means; and

32 mooring loops engaging said prosthesis and
33 passing through said apertures in said tubular carrier
34 means to engage said central control means;

35 c) inserting said device into said access and urging
36 said device to a desired location within the lumen;

37 d) withdrawing said tubular introducer sheath to
38 expose said prosthesis;

39 e) allowing said self expanding spring assembly to
40 self expand and substantially conform at least a portion of
41 said graft to an interior wall of the lumen after said
42 introducer sheath has been removed from said self expanding
43 spring assembly;

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E2
(cont.)

44 f) disengaging said central control means from said
45 mooring loops; and
46 g) removing said tubular introducer sheath, carrier
47 means, and central control means.

Amend claim 24 as follows:

E3

1 ¹⁰24. (Twice amended) A transluminal arrangement for
2 positioning a prosthesis assembly at a particular position
3 on a wall of a lumen, comprising:
4 an introducer sheath having a longitudinal bore
5 therein;
6 a prosthesis assembly including a graft having a
7 longitudinal bore and a self expanding spring assembly
8 having a compressed state, said introducer sheath
9 containing said self expanding spring assembly in said
10 compressed state when said self expanding spring assembly
11 is positioned in said longitudinal bore of said introducer
12 sheath, said self expanding spring assembly radially
13 expanding said graft to substantially conform said graft at
14 a particular position on an interior wall of a lumen after
15 said prosthesis assembly has been positioned in the lumen
16 and said self expanding spring assembly has been released
17 from said compressed state;
18 [means for containing said self expanding spring
19 assembly in said compressed state;] and
20 means positioned in said bore of said graft for
21 retaining said prosthesis assembly at the particular
22 position in the lumen when withdrawing said [means for
23 containing from said prosthesis assembly] introducer sheath
24 from said self expanding spring assembly and releasing said
25 self expanding spring assembly from said compressed state.

Cancel claim 25.

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[Amend claim 27 as follows:

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1 ~~27.~~² (Twice amended) The transluminal arrangement of
2 claim ~~24~~¹⁶ further comprising means for releasing said
3 prosthesis assembly from said means for retaining after
4 said introducer [means] sheath has been withdrawn from said
5 prosthesis assembly.

[Amend claim 28 as follows:

1 ~~28.~~¹³ (Twice amended) A method of transluminally
2 positioning a prosthesis assembly at a particular position
3 on an interior wall of a lumen, comprising the steps of:
4 providing access to a lumen;
5 providing an introducer sheath having a longitudinal
6 bore;
7 providing a prosthesis assembly positioned in said
8 longitudinal bore of said introducer sheath and including
9 a graft having a longitudinal bore and a self expanding
10 spring assembly having a compressed state, said introducer
11 sheath containing said self expanding spring assembly in
12 said compressed state when said spring assembly is
13 positioned in said longitudinal bore of said introducer
14 sheath. said self expanding spring assembly radially
15 expanding said graft to substantially conform said graft at
16 a particular position on an interior wall of a lumen after
17 said prosthesis assembly has been positioned in the lumen
18 and said introducer sheath has been withdrawn from said
19 prosthesis assembly releasing said self expanding spring
20 assembly from said compressed state;
21 providing means positioned in said bore of said graft
22 for retaining said prosthesis assembly at the particular
23 position in the lumen;
24 positioning said introducer sheath and said prosthesis
25 assembly positioned in said bore of said introducer sheath
26 through said access to the particular position in the
27 lumen; and

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28 withdrawing said introducer sheath from said
29 prosthesis assembly positioned at the particular position
30 in the lumen.

Amend. claim 29 as follows:

24 Cont.
Sub
FI
Amend. 29

1 29. (Twice amended) A transluminal arrangement for
2 positioning a prosthesis assembly at a particular position
3 on a wall of a lumen, said prosthesis assembly including a
4 graft having a longitudinal bore and a self expanding
5 spring assembly having a compressed state, said introducer
6 sheath containing said self expanding spring assembly in
7 said compressed state when said spring assembly is
8 positioned in said longitudinal bore of said introducer
9 sheath. said self expanding spring assembly radially
10 expanding said graft to substantially conform said graft at
11 a particular position on an interior wall of a lumen after
12 said prosthesis assembly has been positioned in the lumen
13 and said self expanding spring assembly has been released
14 from said compressed state, said transluminal arrangement
15 comprising:
16 means positioned in said bore of said graft for
17 retaining said prosthesis assembly at the particular
18 position in the lumen; and
19 means for releasing said prosthesis assembly from said
20 retaining means when positioned at the particular position
21 in the lumen.

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Amend claim 31 as follows:

35

1 ~~31~~^{31.5} (Twice amended) A transluminal arrangement for
2 transluminally positioning a prosthesis assembly (1,12,31)
3 of predetermined shape and size at a particular position on
4 an internal wall (20) of a lumen, said prosthesis assembly
5 comprising a graft (1) associated with a self expanding
6 spring assembly (12,31) having a compressed state, said
7 transluminal arrangement comprising an outer sheath (4)
8 having a longitudinal bore for surrounding said prosthesis
9 assembly when the latter is located at the particular

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ES
(cont.)

10 position, and means (39,39',21, 26) for retaining said
11 prosthesis assembly at the particular position while said
12 outer sheath is being removed, characterized in that said
13 retaining means has connected thereto an attachment
14 arrangement (39,39') to be temporarily attached to said
15 prosthesis assembly at least one position remote from a
16 proximal end of said prosthesis assembly and in that said
17 outer sheath maintains said self expanding spring assembly
18 in said compressed state when said self expanding spring
19 assembly is positioned in said longitudinal bore of said
20 outer sheath.

Amend claim 39 as follows:

EC

1 ~~39~~^{39.23} (Amended) An arrangement for transluminally
2 positioning a prosthesis assembly at a particular position
3 on an internal wall of a lumen, said assembly comprising a
4 graft associated with self expanding spring apparatus
5 having a compressed state, said arrangement comprising an
6 outer sheath having a longitudinal bore for surrounding the
7 said assembly when the latter is at the said particular
8 position and for maintaining said self expanding spring
9 apparatus in said compressed state when said self expanding
10 spring apparatus is positioned in said longitudinal bore of
11 said outer sheath, means for ensuring that the prosthesis
12 assembly is maintained at the said particular position
13 during removal of the outer sheath, said arrangement
14 further comprising releasing means for disabling the
15 ensuring means after the outer sheath has been withdrawn
16 from the self expanding spring apparatus and released said
17 self expanding spring apparatus from said compressed state
18 and the prosthesis assembly has self expanded to the
19 internal wall of the lumen at said particular position.

Amend claim 40 as follows:

[Sub 4.8]

1 40. (Amended) An arrangement for transluminally
2 positioning a prosthesis assembly at a particular position
3 on an internal wall of a lumen, said assembly comprising a